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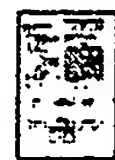
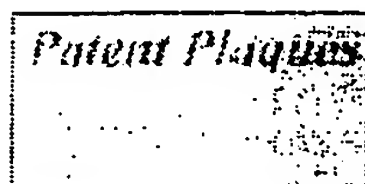
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JP1136629A2: ENDOSCOPIC APPARATUS FOR FLUORESCENT OBSERVATION

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Country: **JP** Japan

Kind:

Inventor(s): **TAKANO AKIRA**

Applicant(s): **OLYMPUS OPTICAL CO LTD**
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Issued/Filed Dates: **May 29, 1989 / Nov. 25, 1987**

Application Number: **JP1987000296721**

IPC Class: **A61B 5/00; A61B 1/00; A61B 1/04;**

Abstract: **Purpose:** To perform both of usual observation and fluorescent observation and to easily and efficiently perform the fluorescent observation, by shielding the reflected beam from an object of exciting beam and observing only the fluorescence transmitting through an exciting beam shield means.

Constitution: A filter B is positioned on an illumination beam path and inserted in and detached from the illumination beam path in such a state that exciting beam is emittable and a CCD 23 forms a light shielding period for taking signal transmitting timing. The exciting beam transmitting through the filter B passes through the light guide 29 and light distribution guide of an endoscope 1 to irradiate an object 80. When fluorescence (F) is emitted from the object 80, the fluorescence (F) of 525nm and the exciting beam reflected from the surface of the object 80 are incident to an objective lens system 21. Herein, the exciting beam absorbing filter 27 driven by a movable means 26 is interposed to an observation beam path. Therefore, the exciting beam is absorbed and only fluorescence (F) is almost incident to the CCD 23.

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Other Abstract Info: none

Foreign References: (No patents reference this one)

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